

FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.

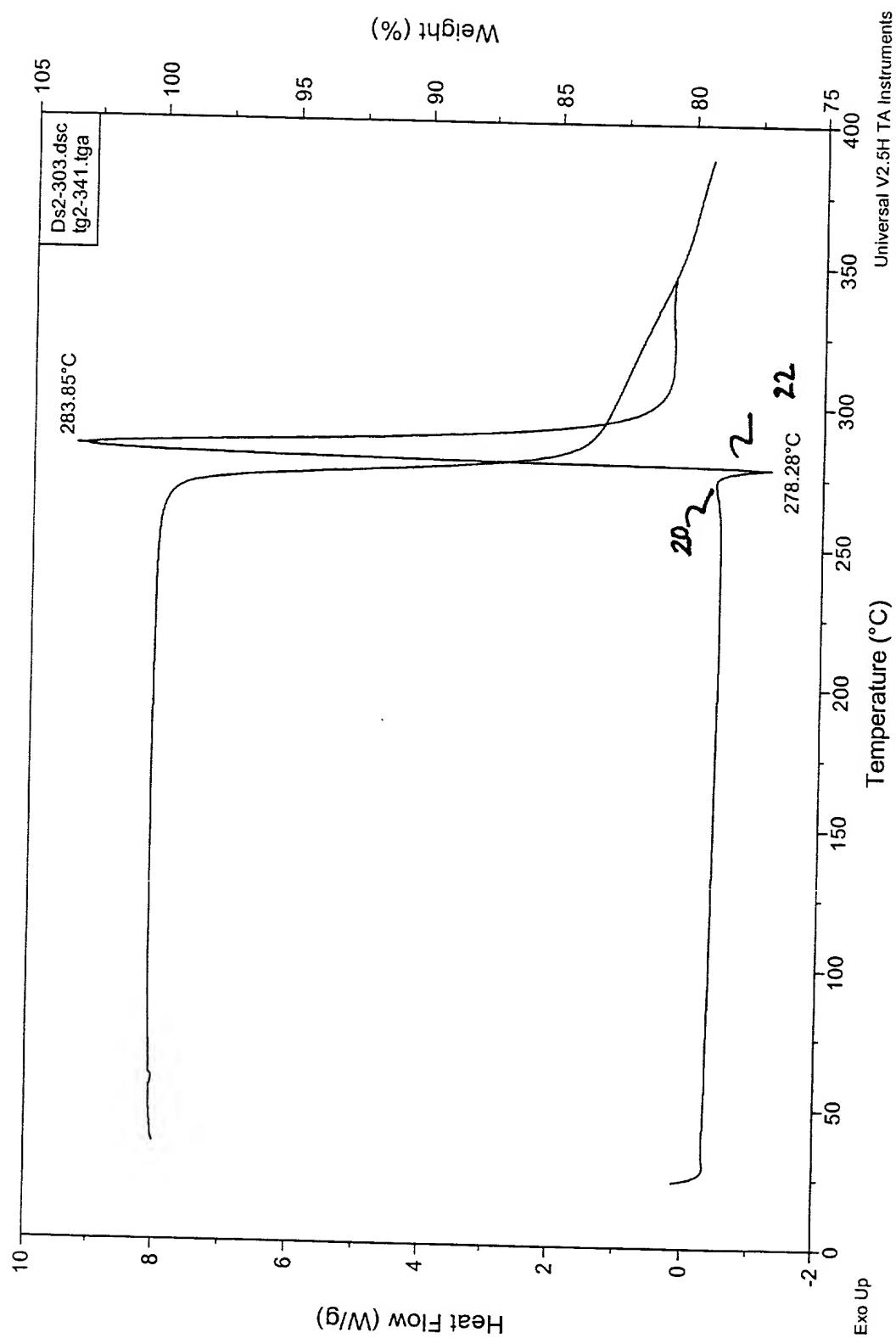


FIG. 2

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:06:50 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

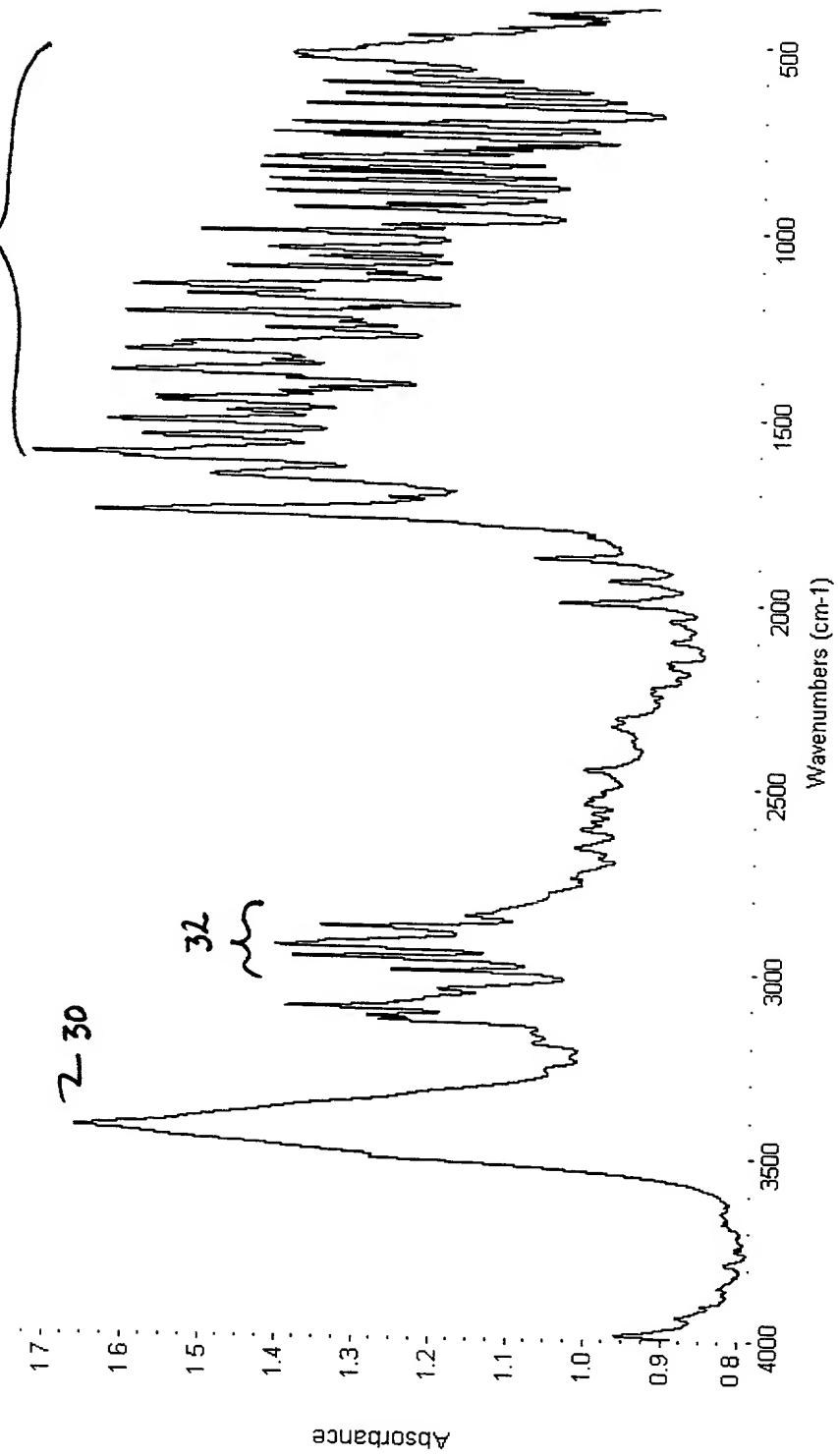


FIG. 3

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

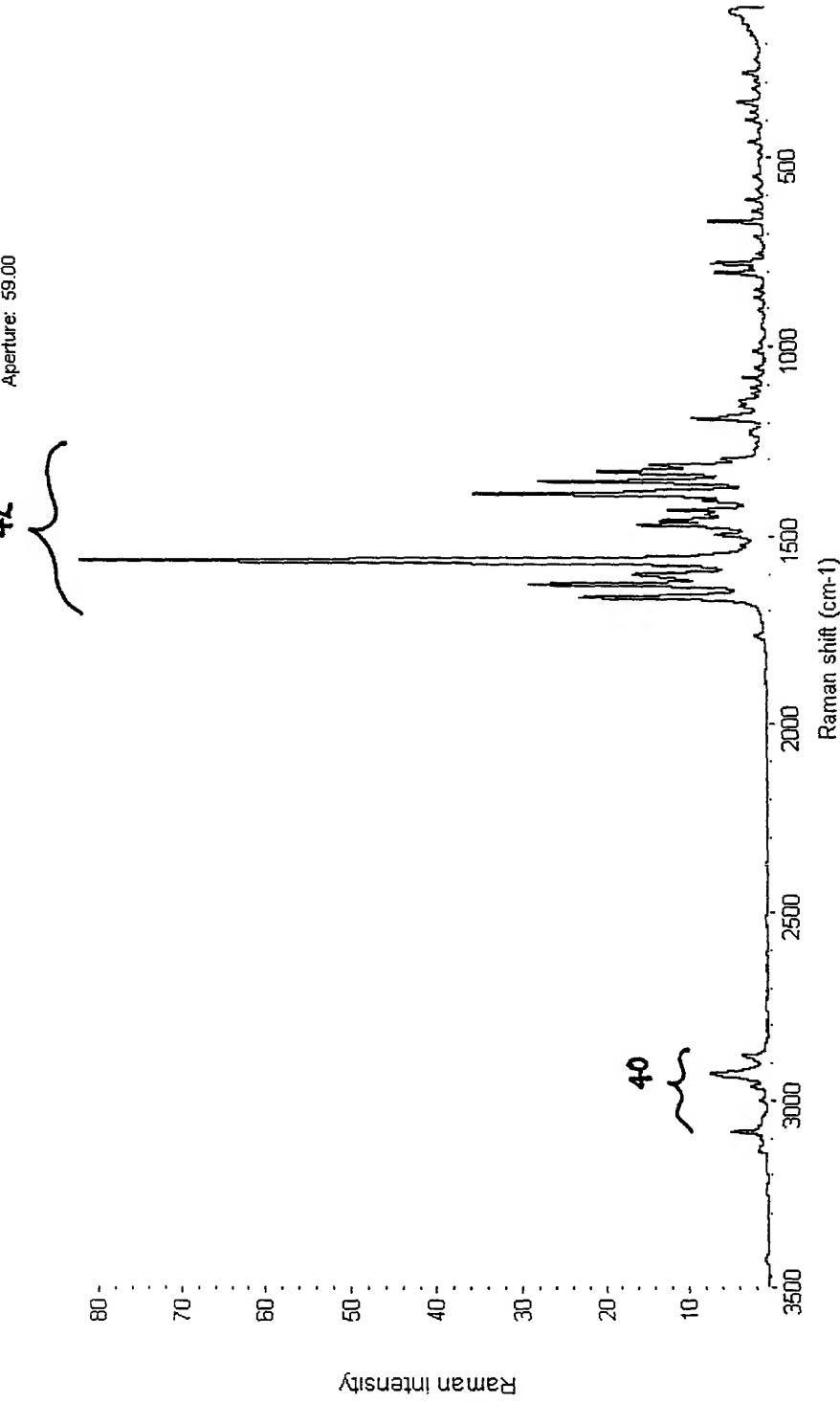


FIG. 4

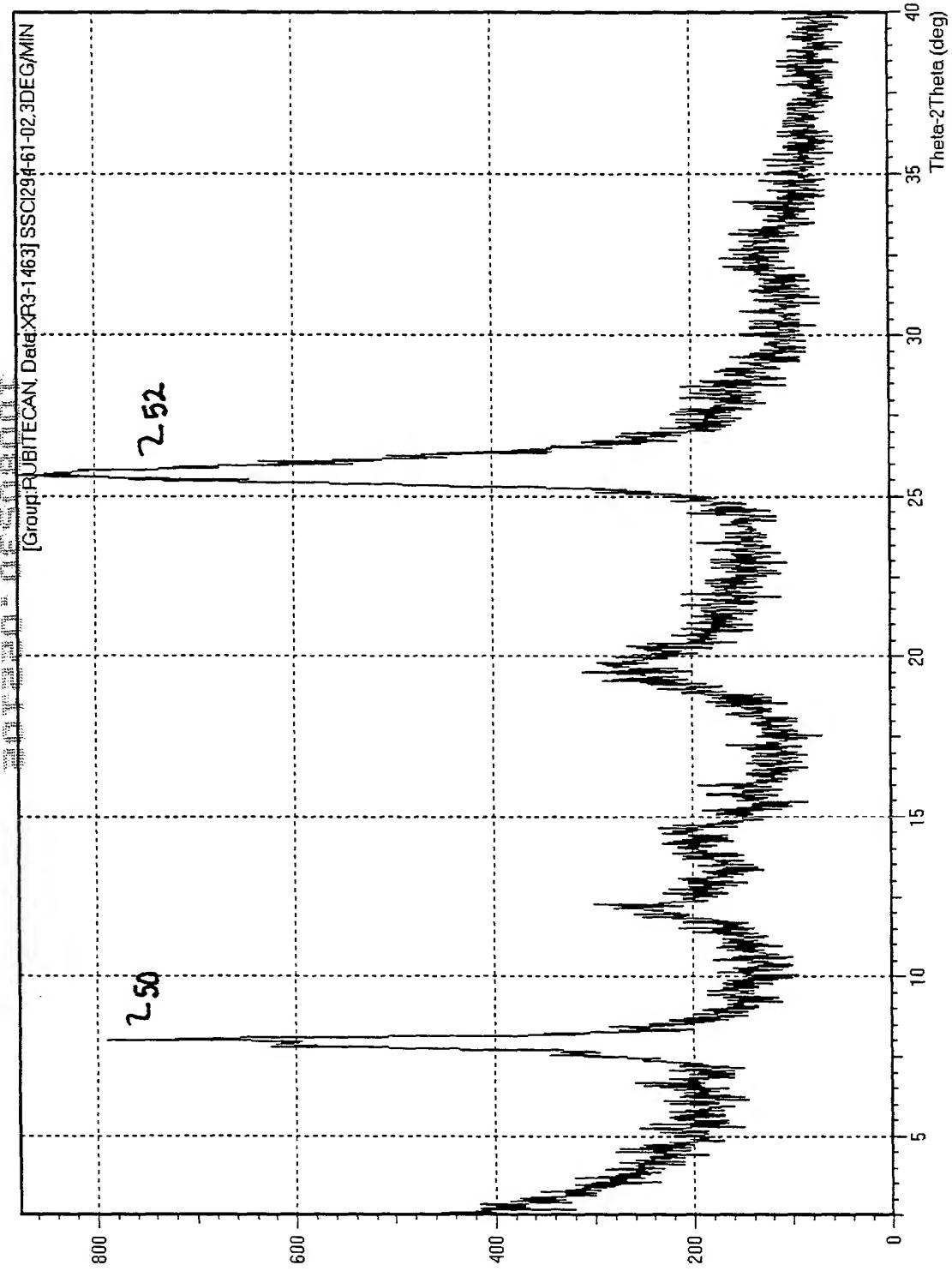


FIG. 5

DSC (bottom) and TGA (top) of Rubitecan Form B.

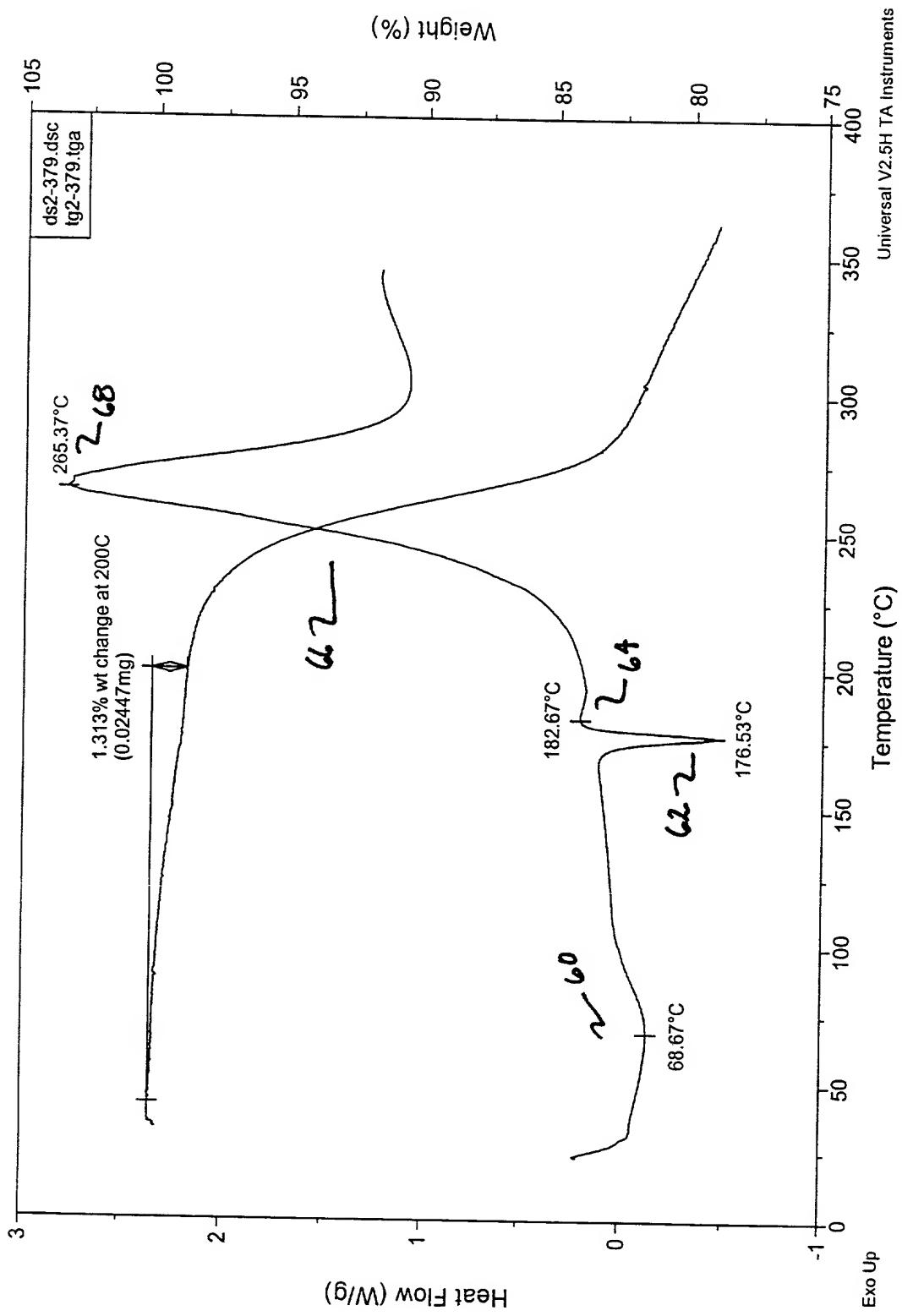
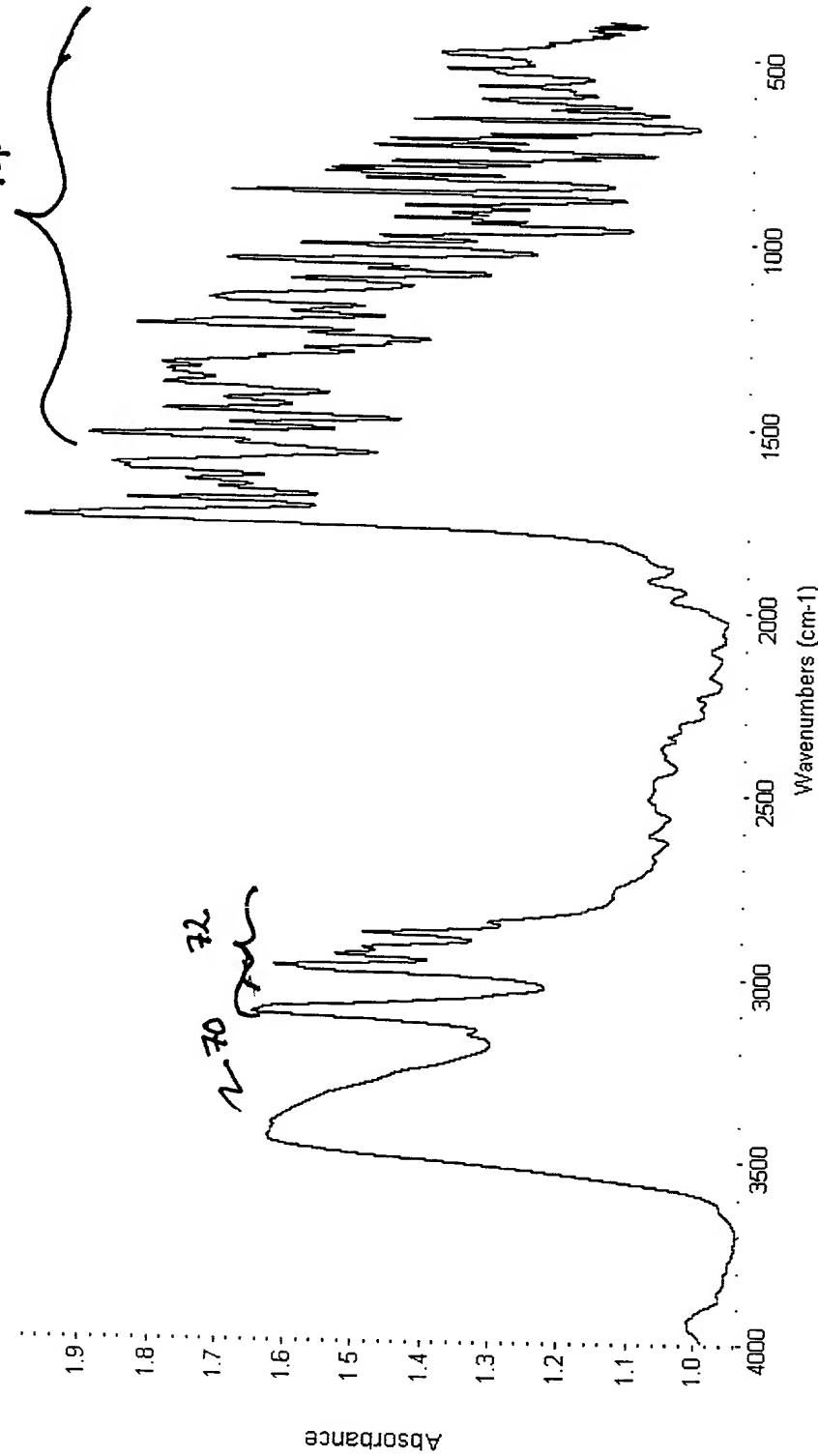


FIG. 6

Acquisition Parameters

Collection time: Sat Feb 26 18:31:51 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.0000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00



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FTG.

Instrument: Nicolet FT-Raman 860

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

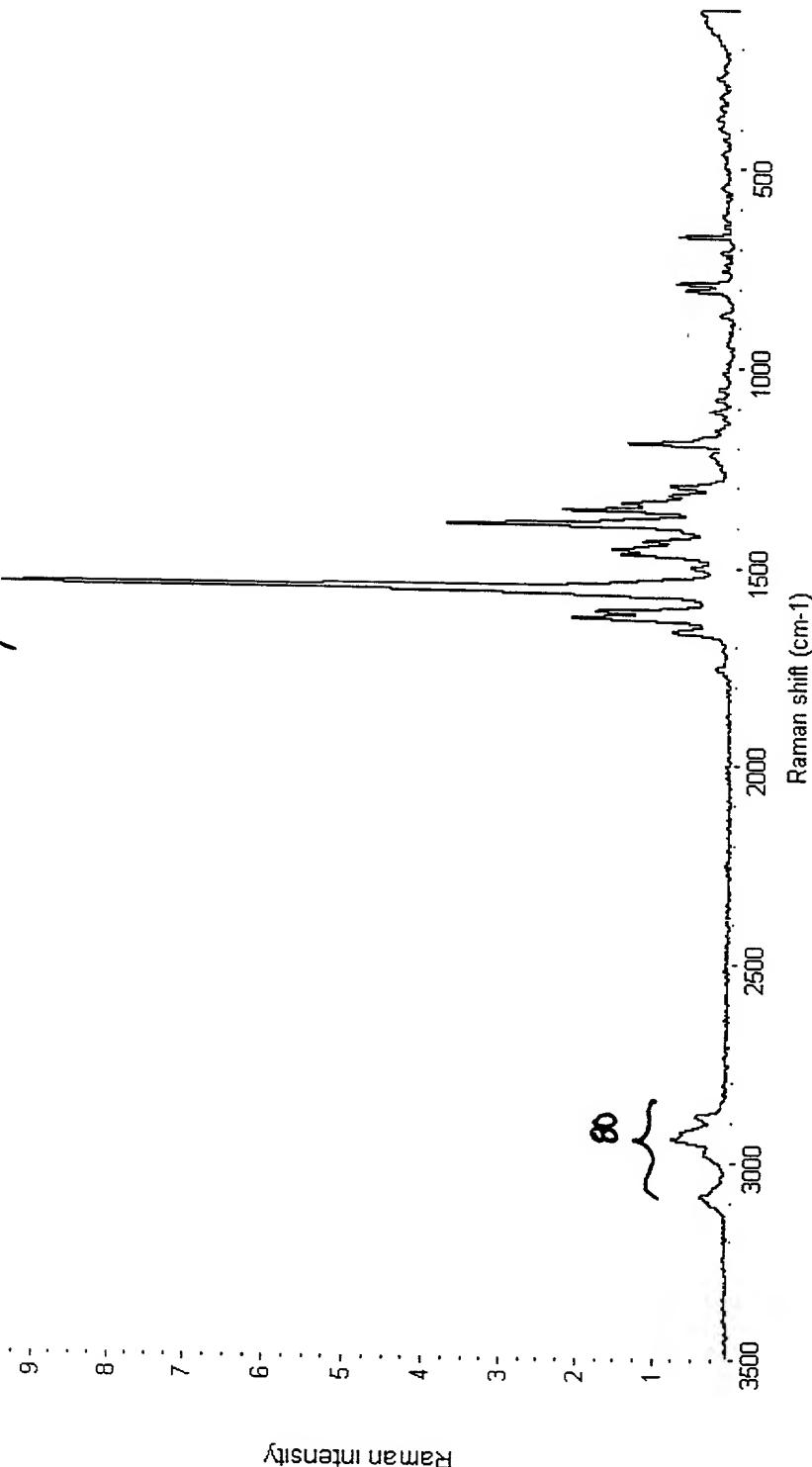


FIG. 8

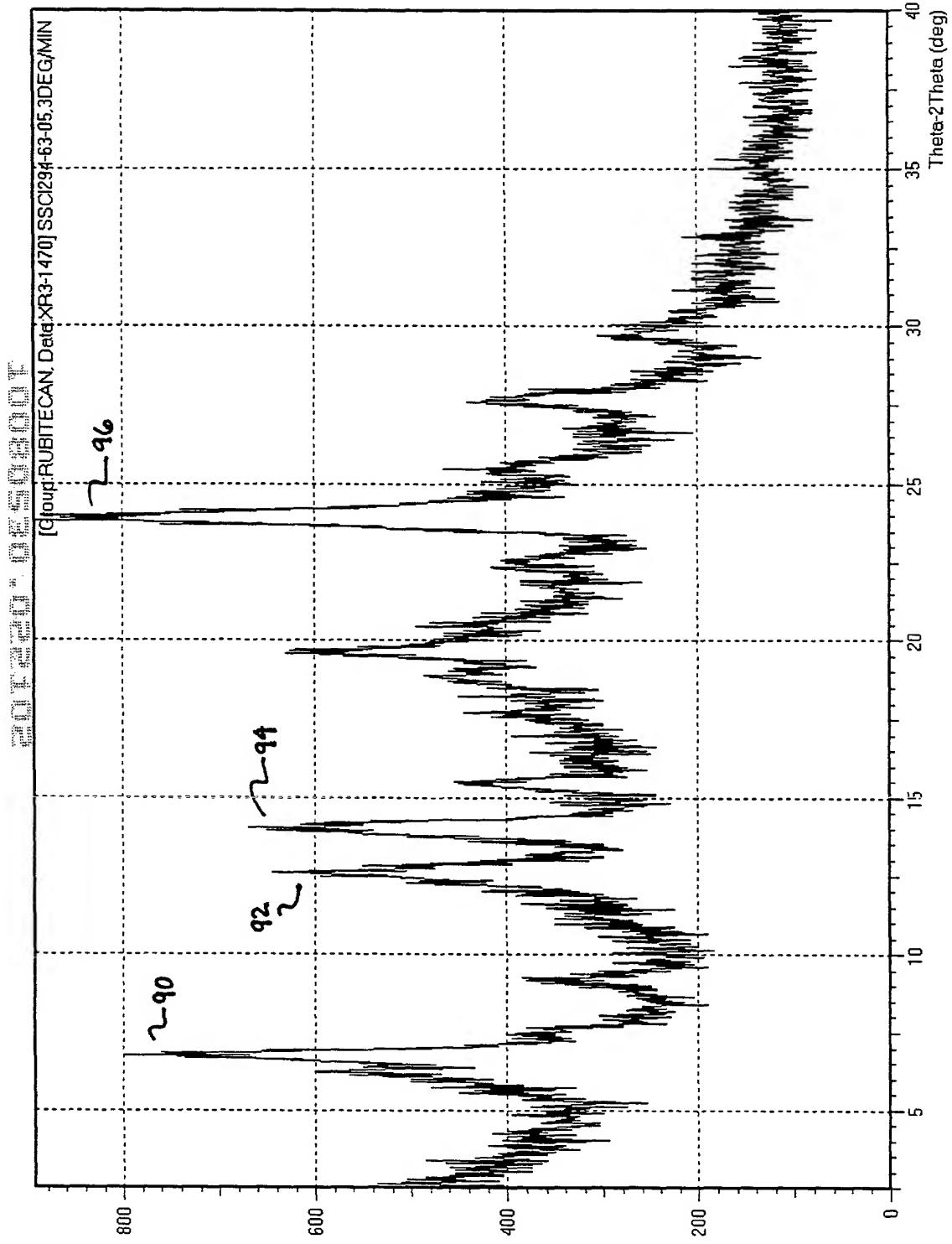


FIG. 9

DSC (bottom) and TGA (top) of Rubitecan Form C.

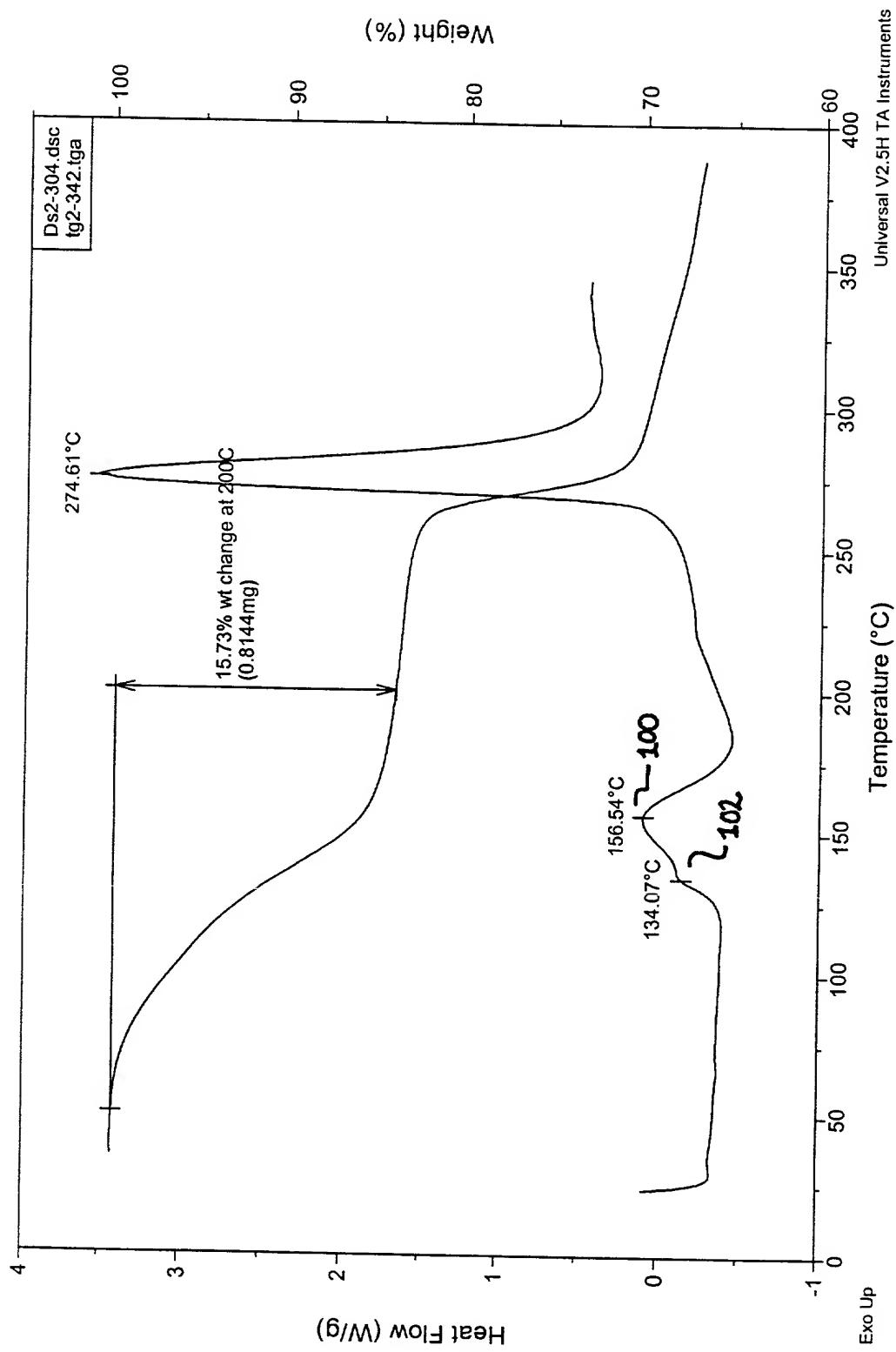


FIG. 10

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:40:03 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

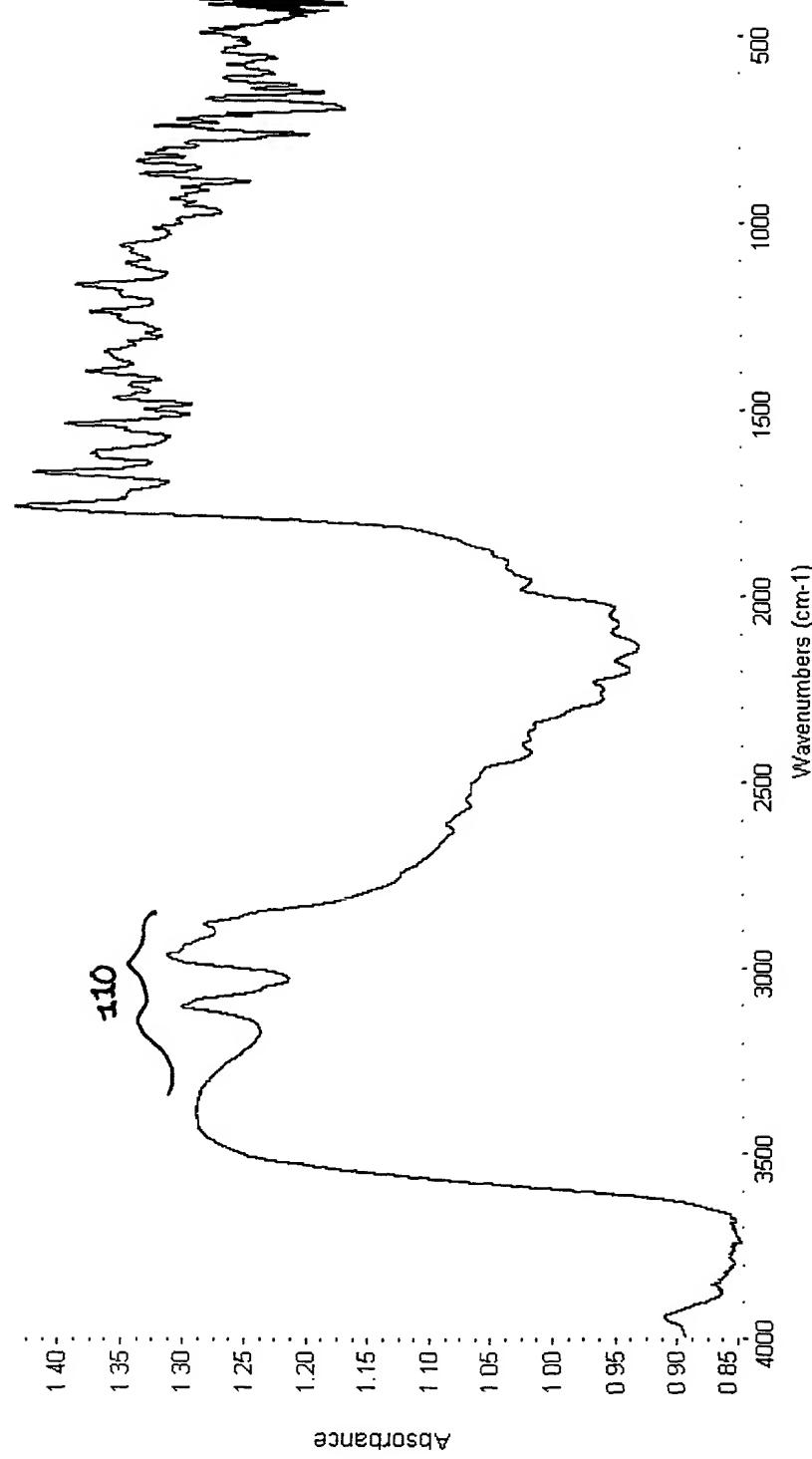


FIG. 11

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.0000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

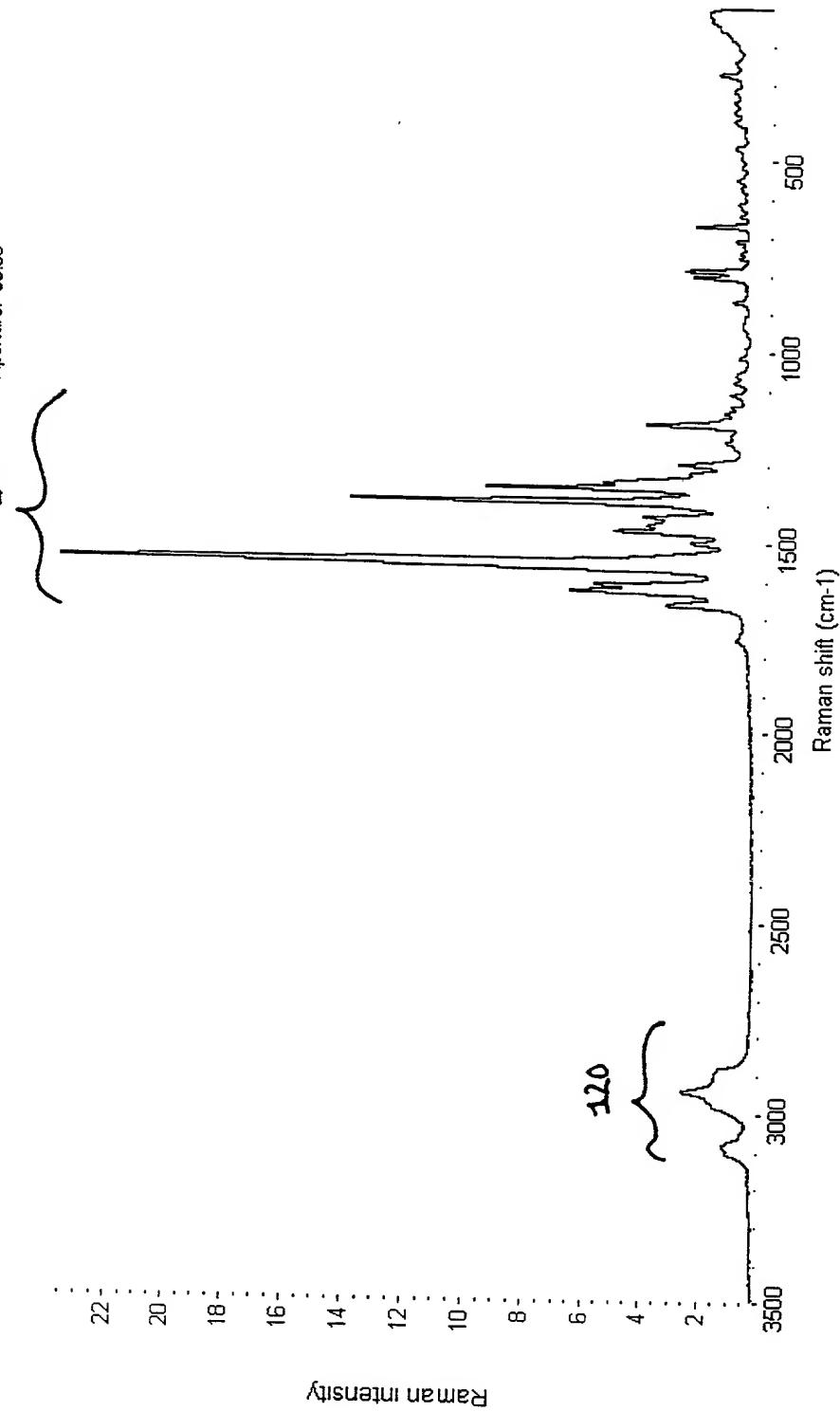


FIG. 12

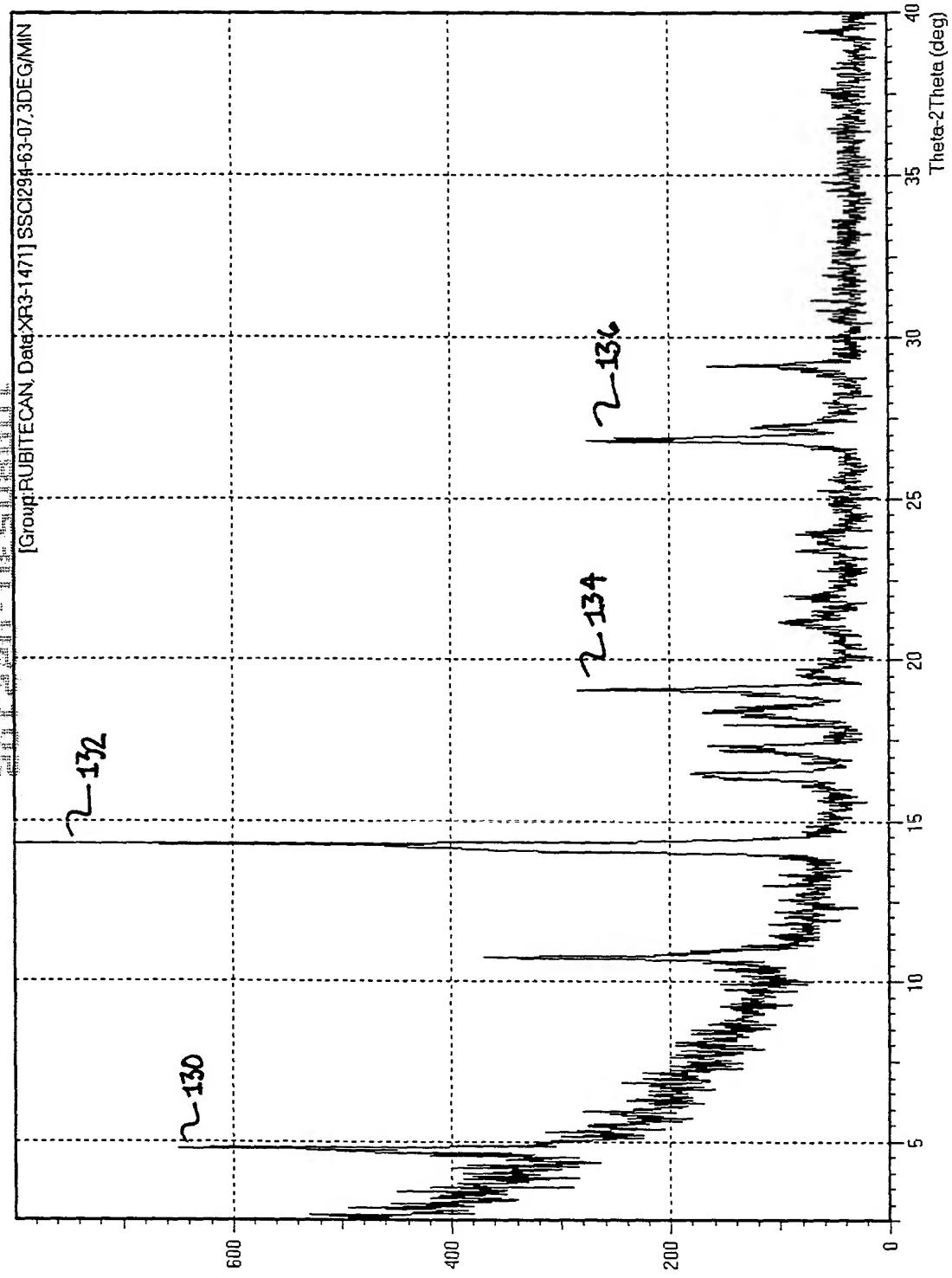


FIG. 13

DSC (bottom) and TGA (top) of Rubitecan Form D.

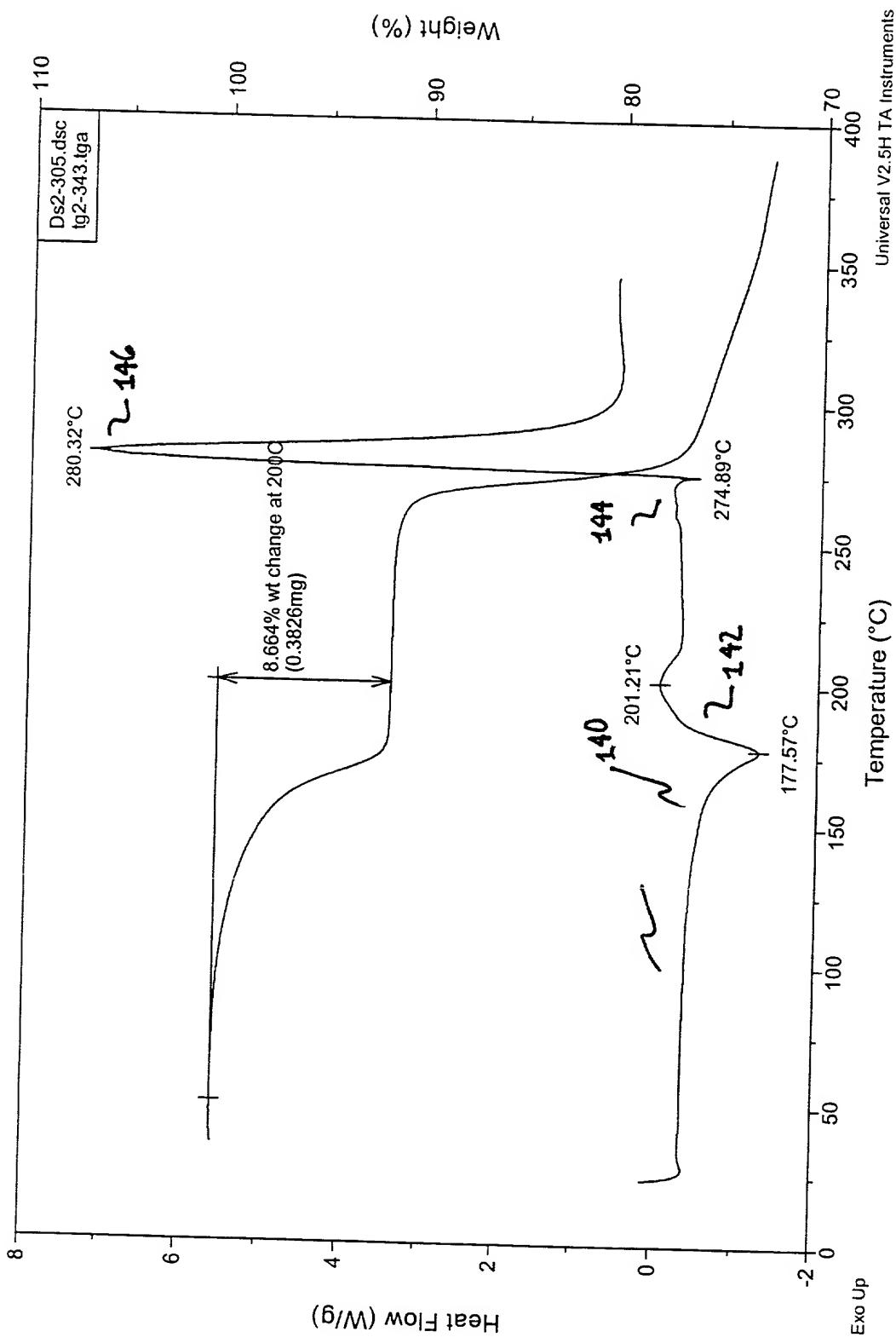


FIG. 14

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

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1.6-
1.5-
1.4-
1.3-
1.2-
1.1-
1.0-
0.9-
0.8-
Absorbance

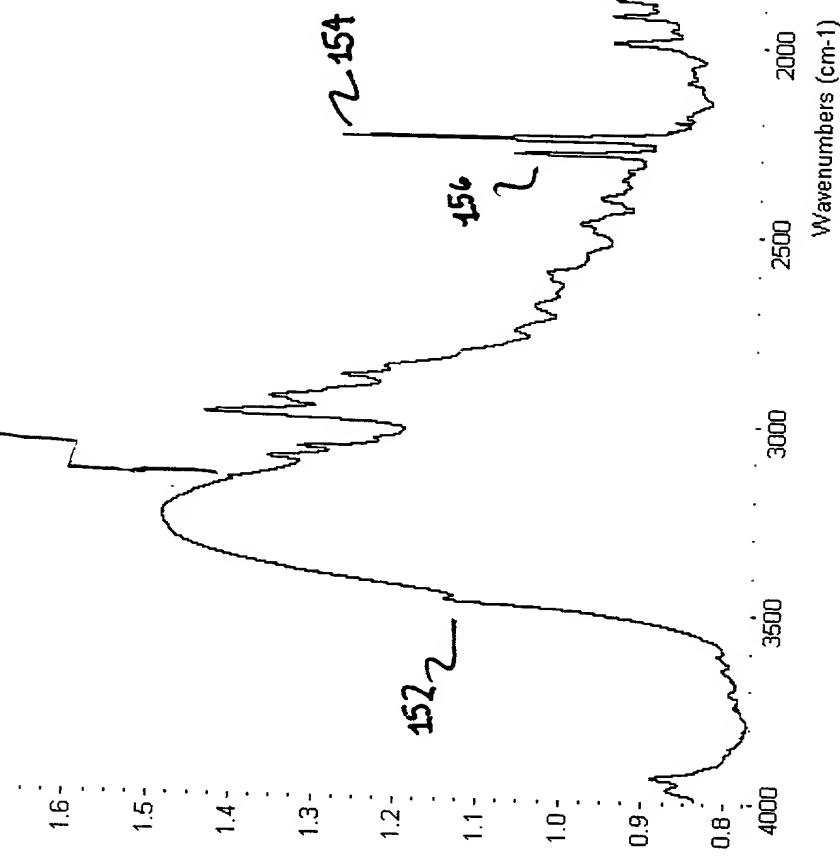


FIG. 15

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:49:39 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

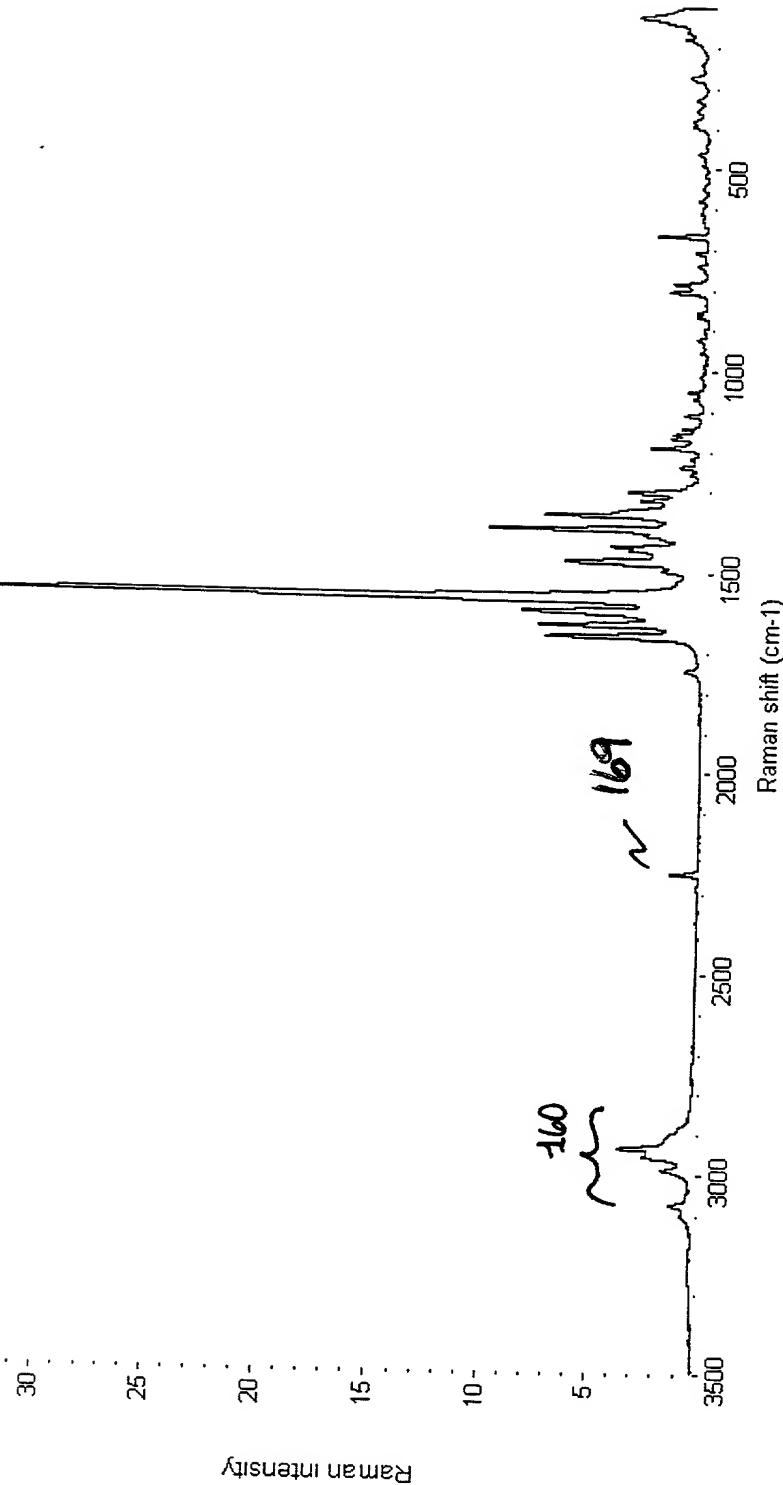


FIG. 16

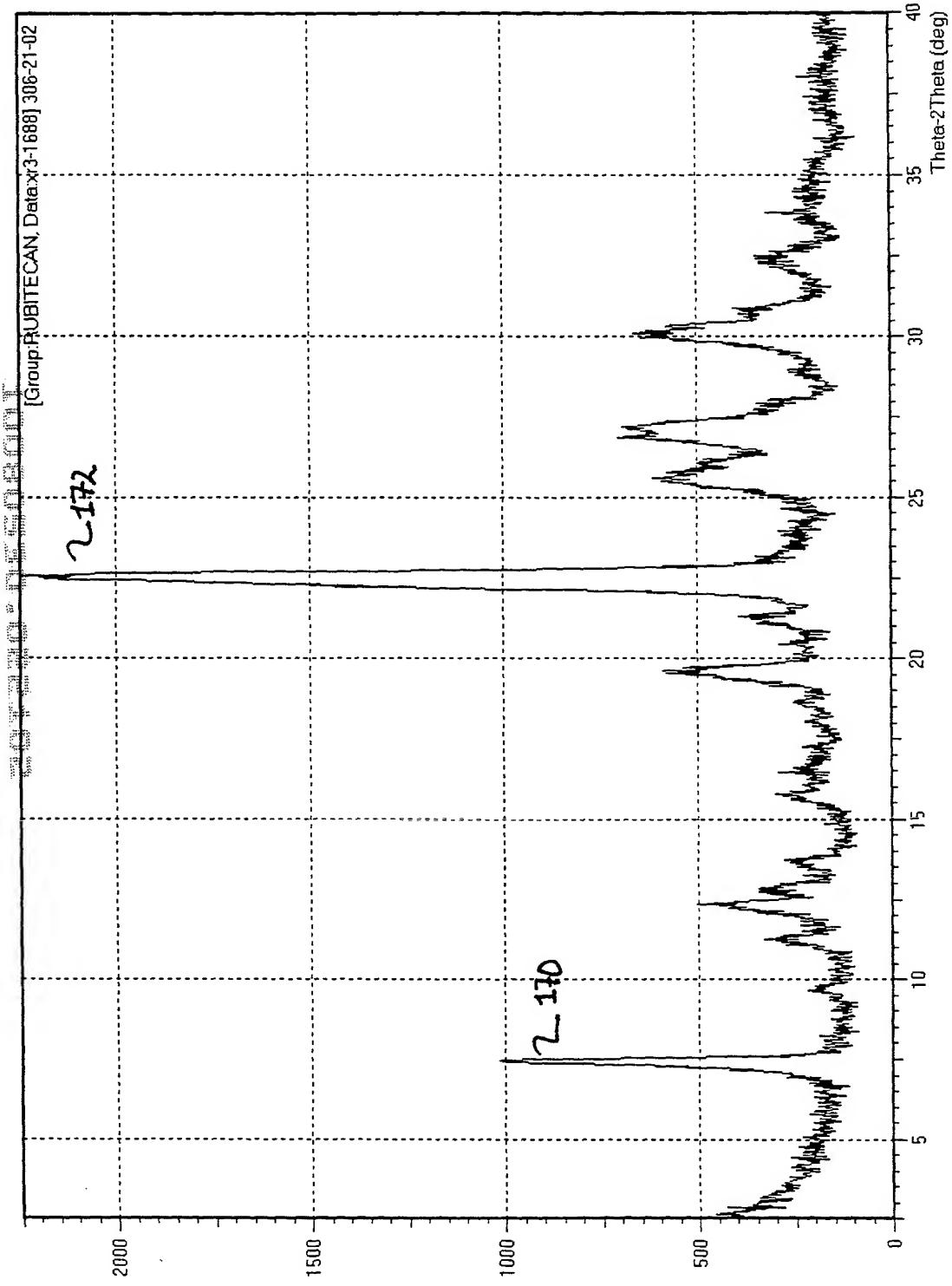


FIG. 17

DSC (bottom) and TGA (top) of Rubitecan Form E.

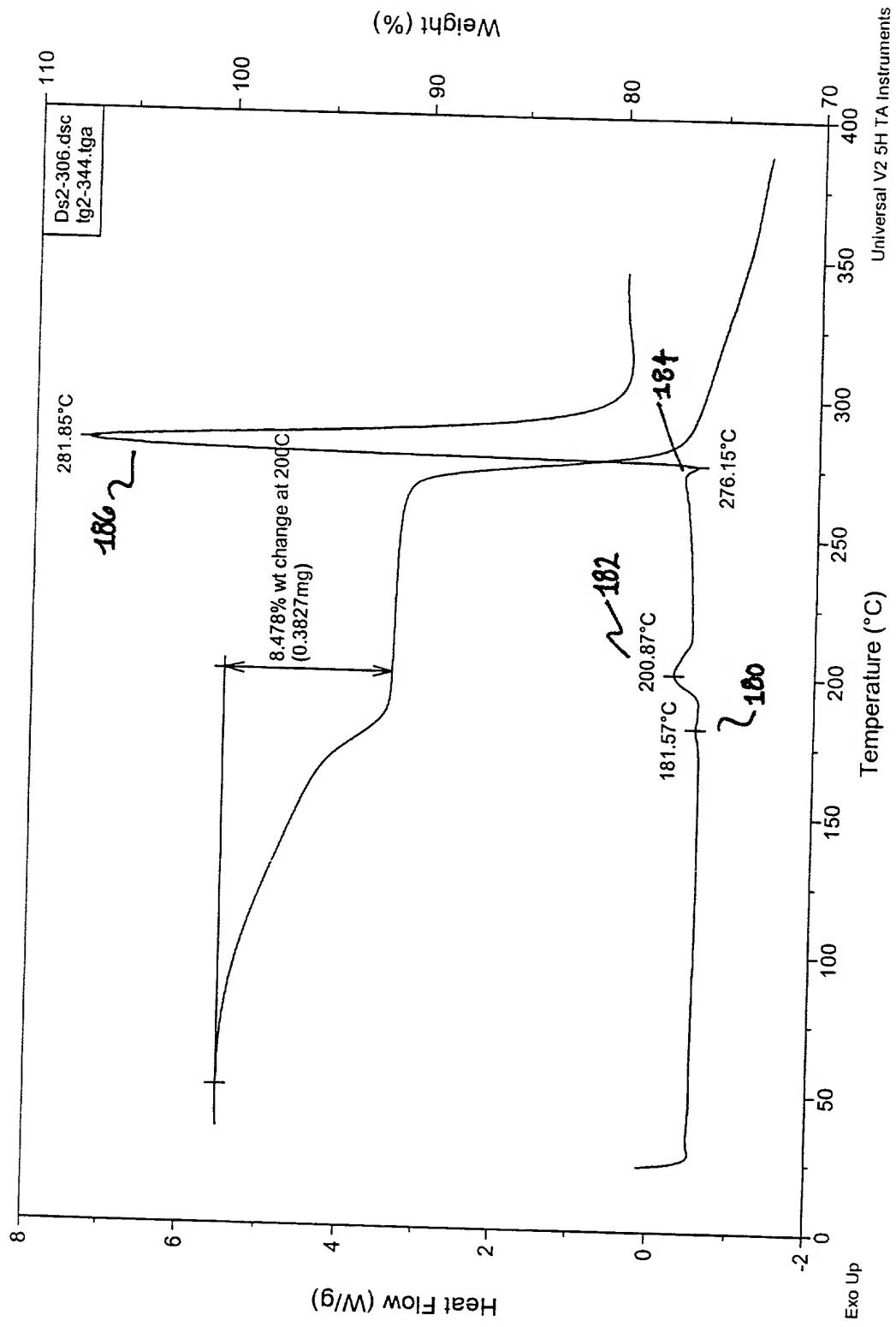


FIG. 18

Acquisition Parameters

Collection time: Sat Feb 26 18:14:49 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

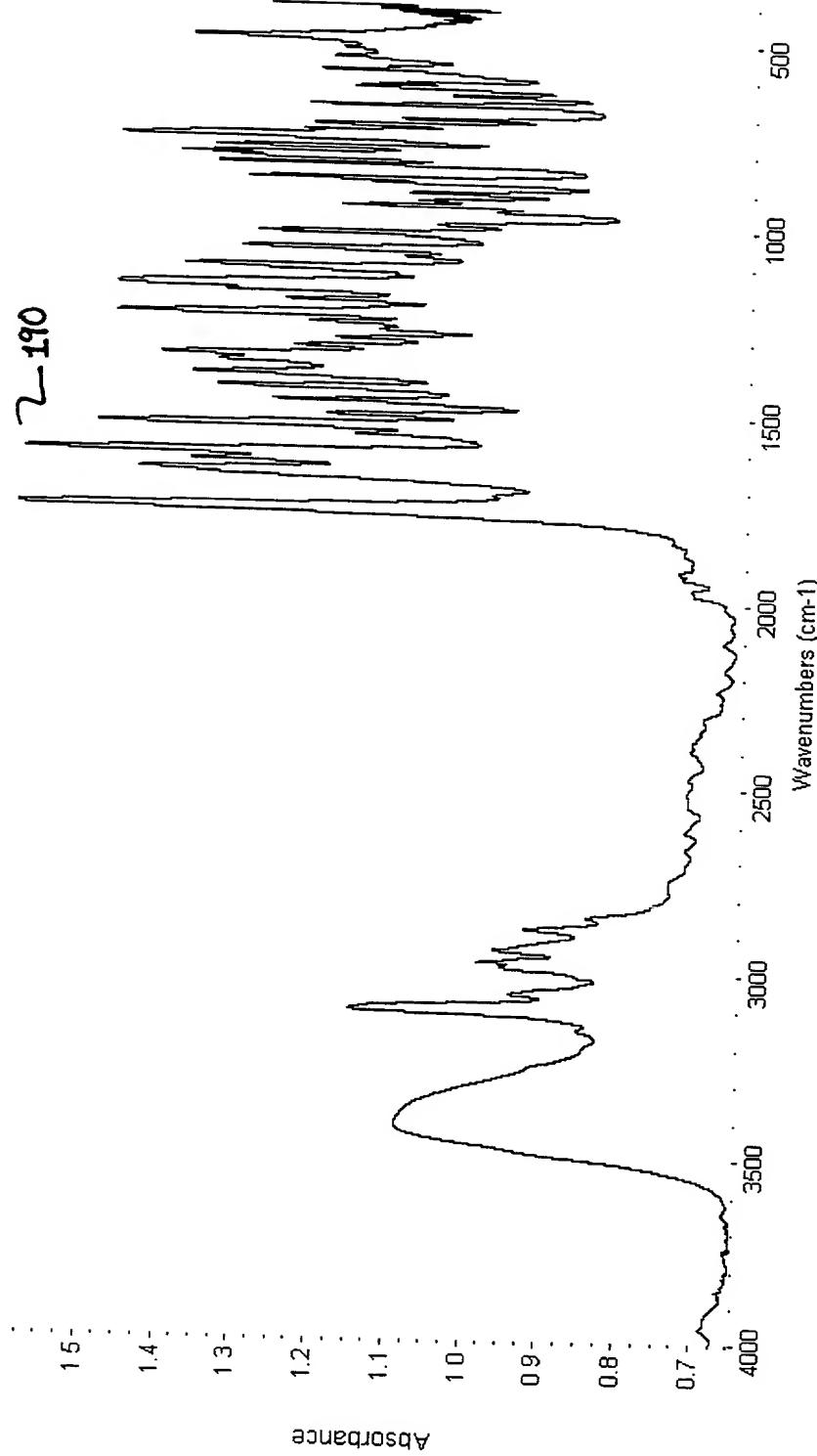
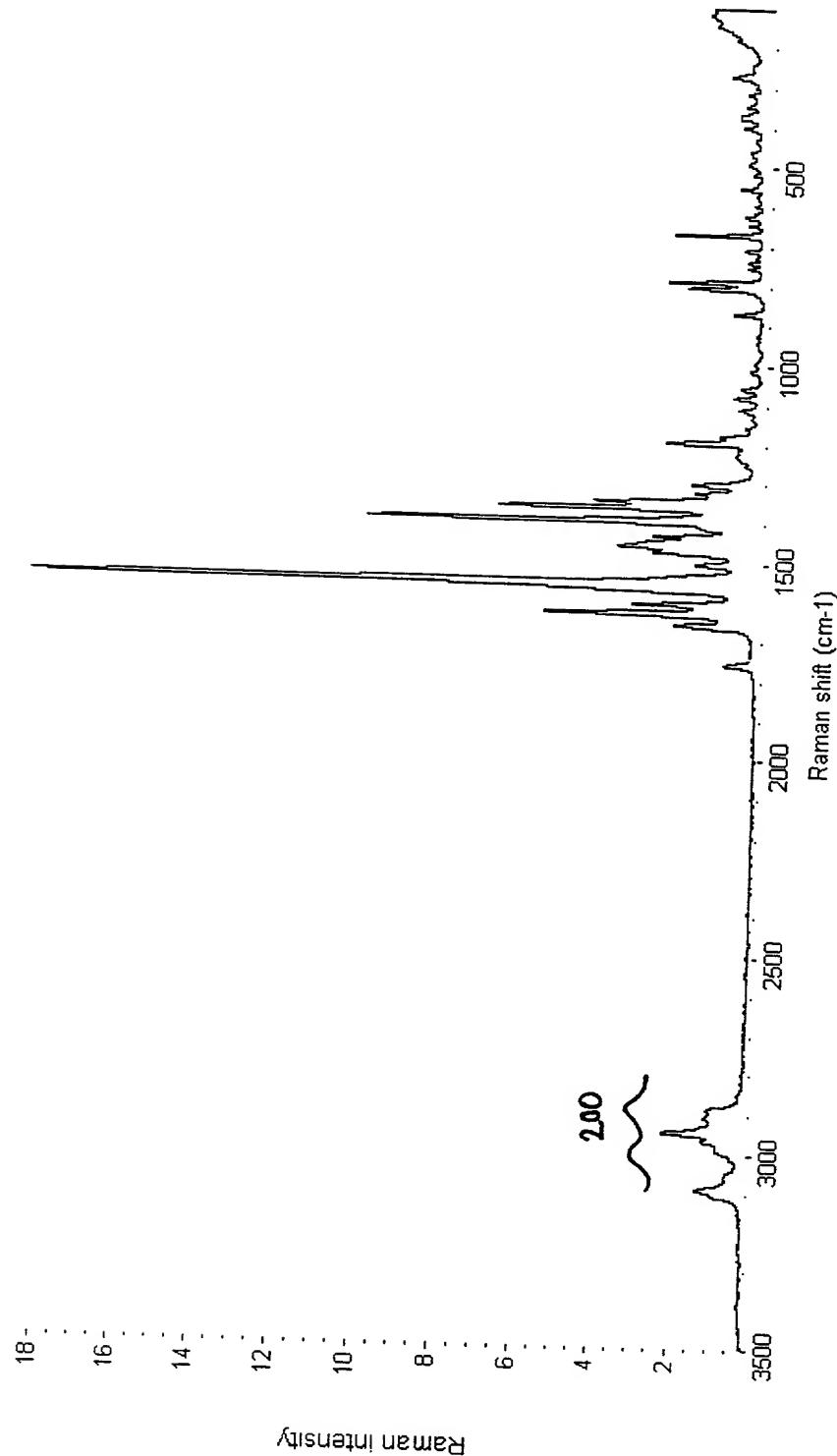


FIG. 19

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00



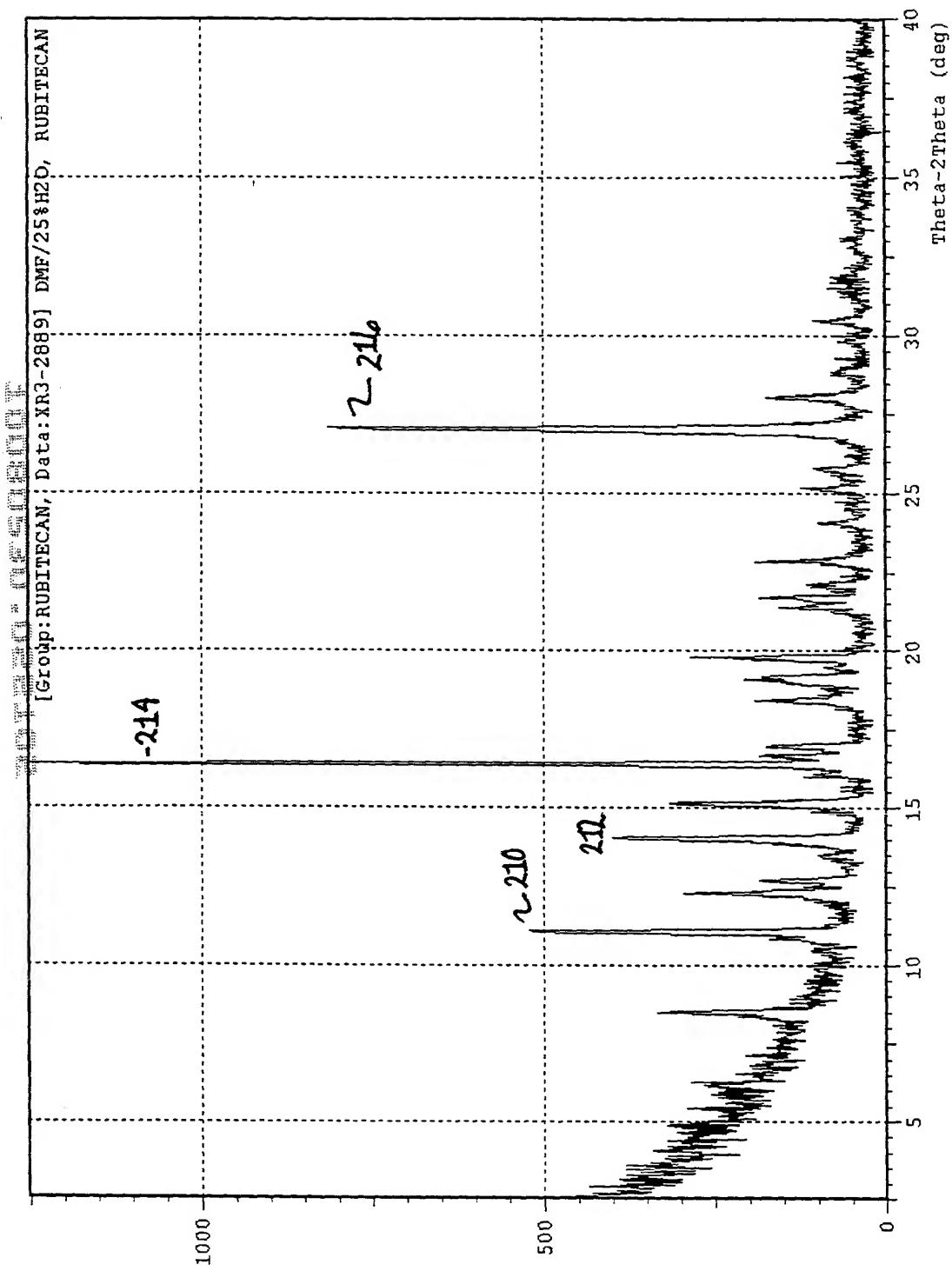


FIG. 21

TGA of Rubitecan Form F, 270-62

Sample: RUBITECAN
Size: 0.6500 mg
Method: RUBITECAN
Comment: SSQ# 3131902. DMF/25%H₂O, A VS C, NTBK 270-62

File: D:\dsc\gaa\lg2-378.tga
Operator: BAC
Run Date: 4-Apr-00 10:07

TGA

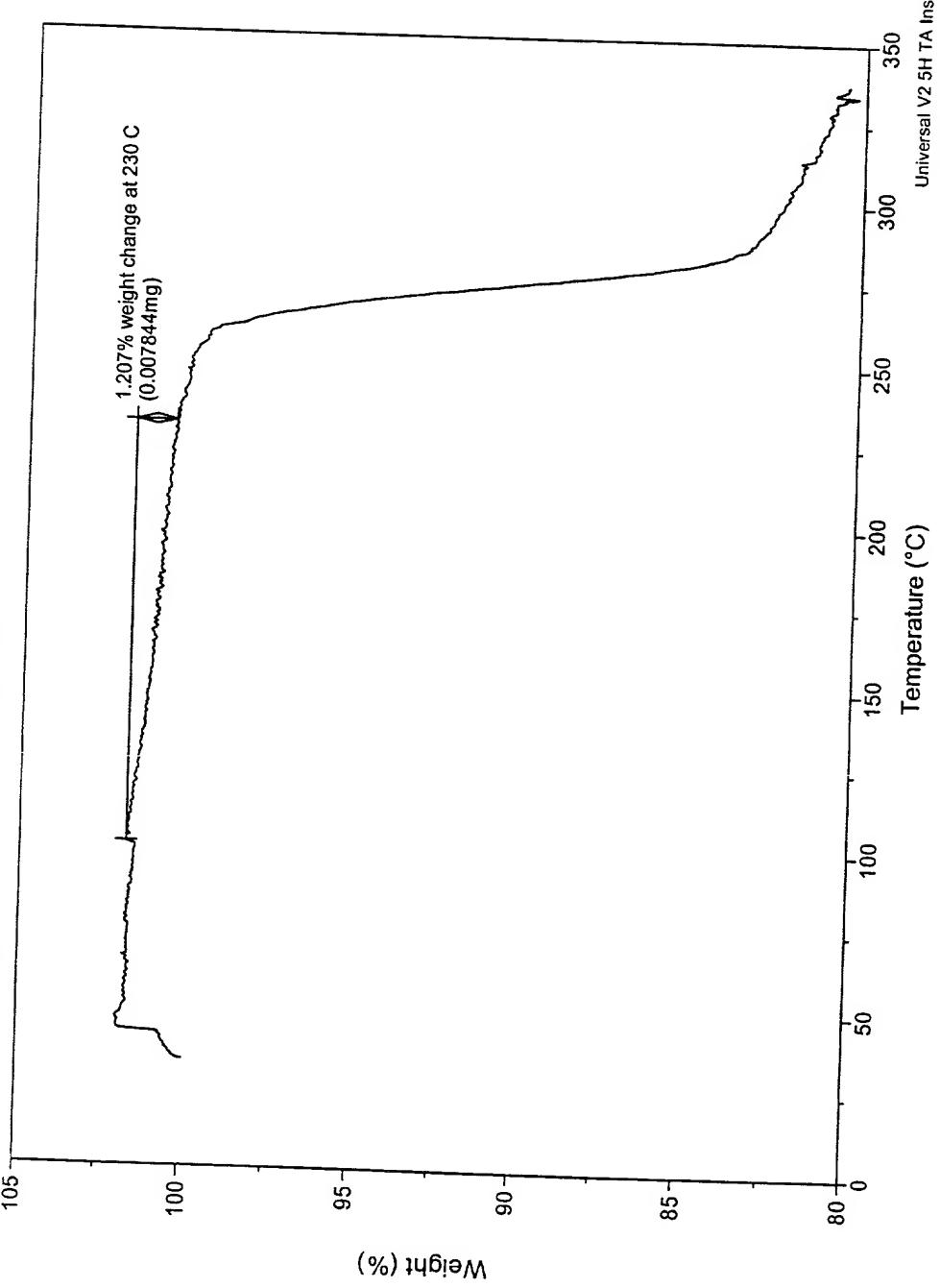


FIG. 22

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000
Number of sample scans: 256
Number of background scans: 256
Resolution: 4.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 100.00

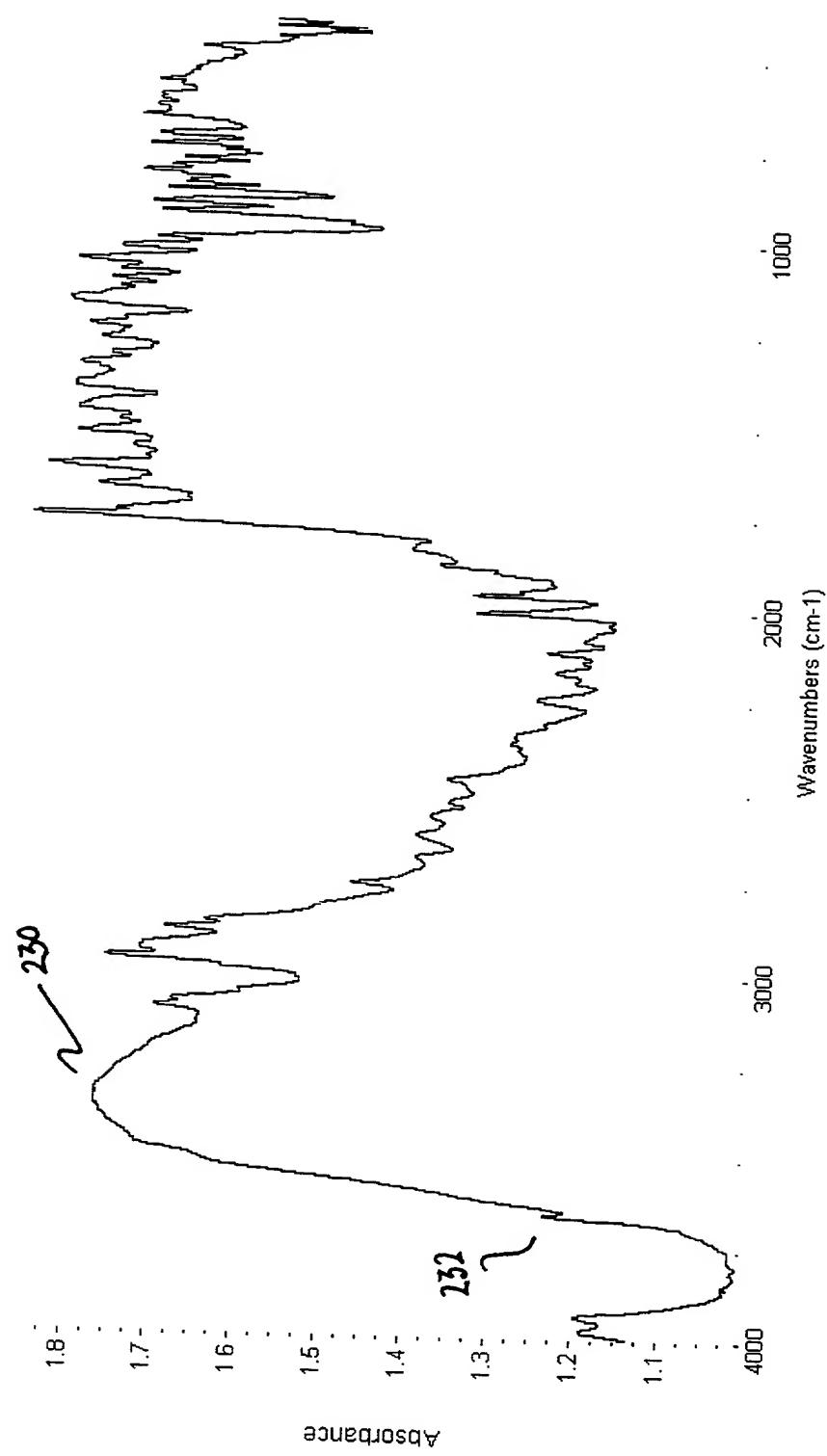


FIG. 23

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.0000
Sample spin: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

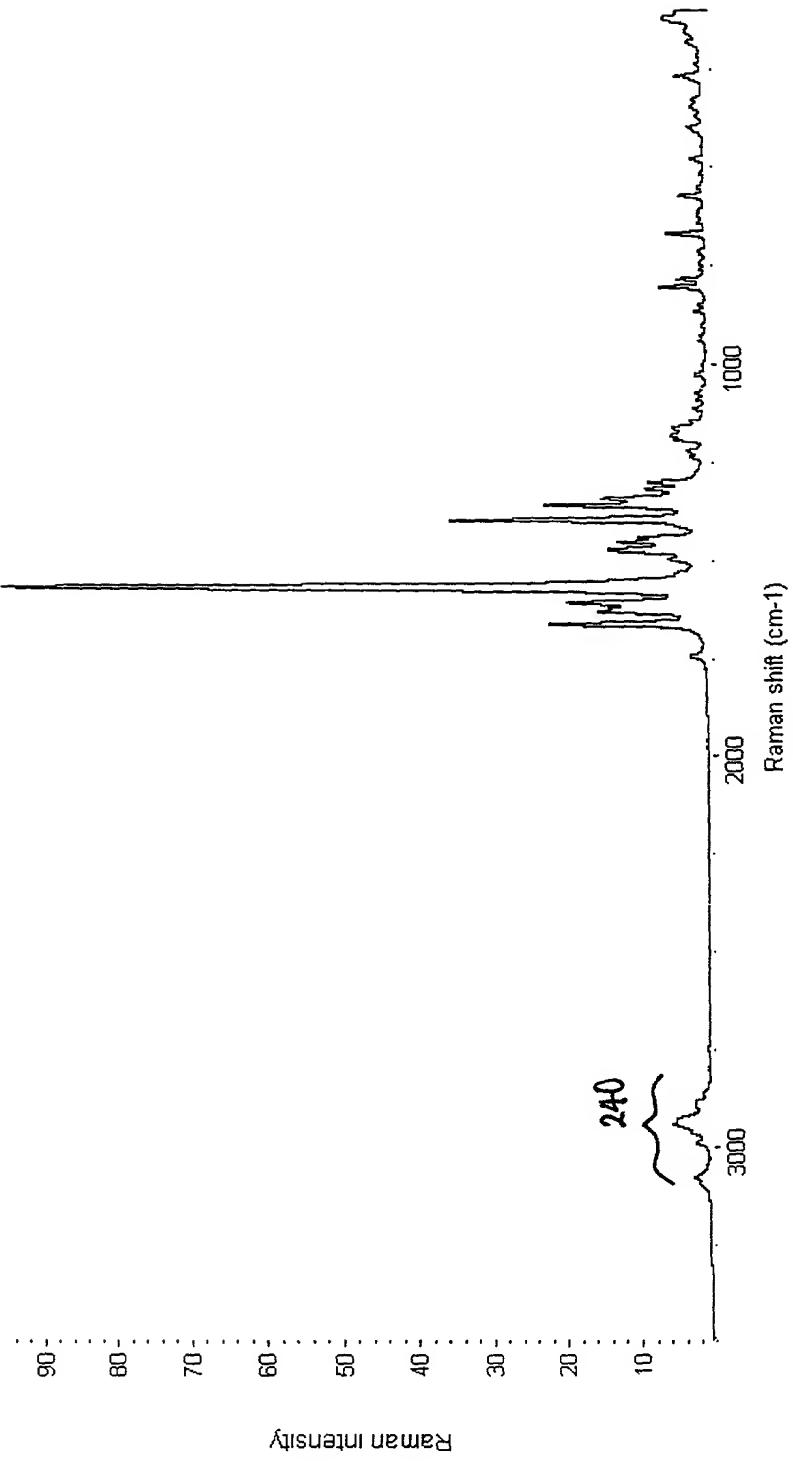


FIG. 24

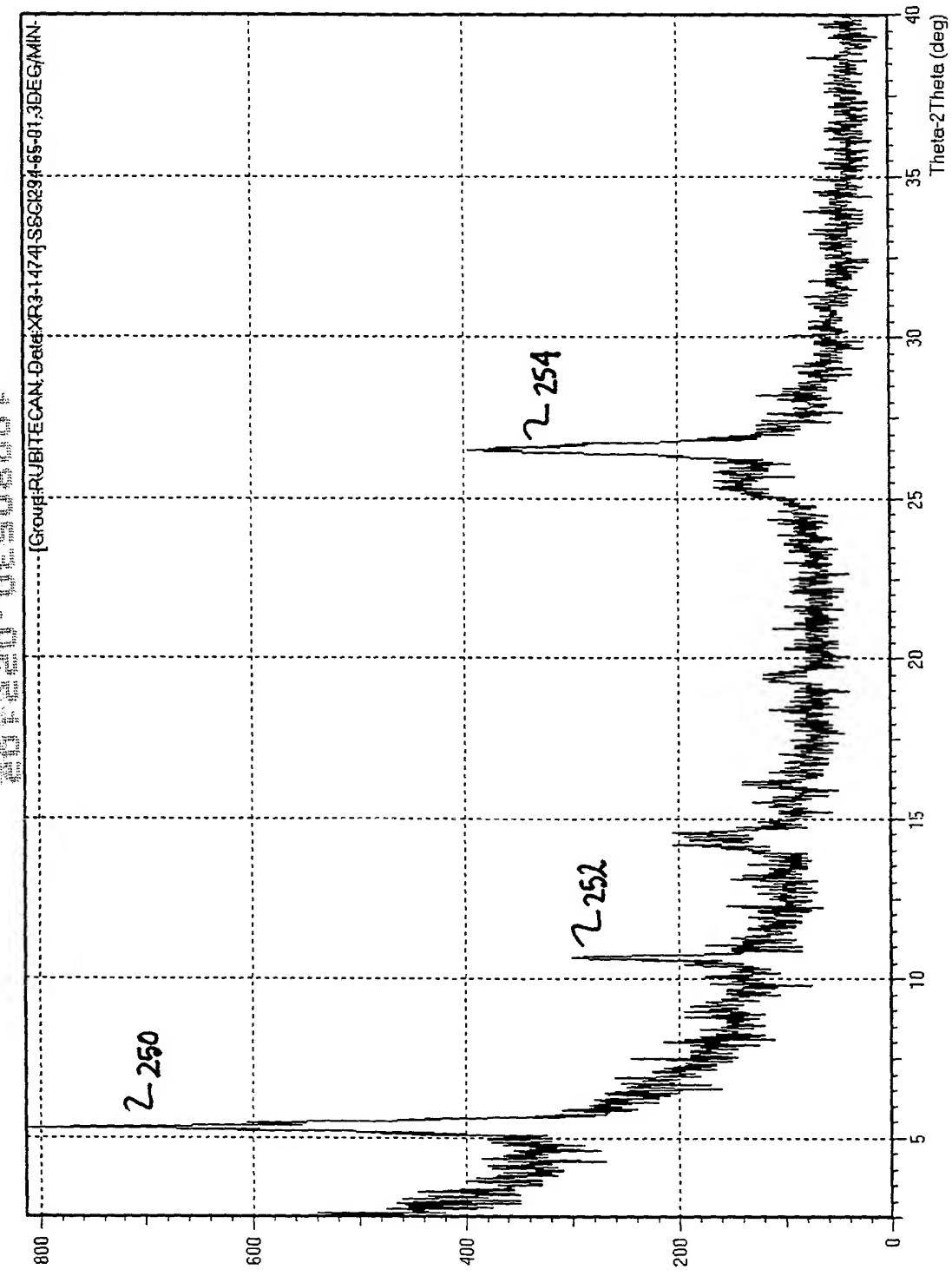


FIG. 25

DSC (bottom) and TGA (top) of Rubitecan Form G.

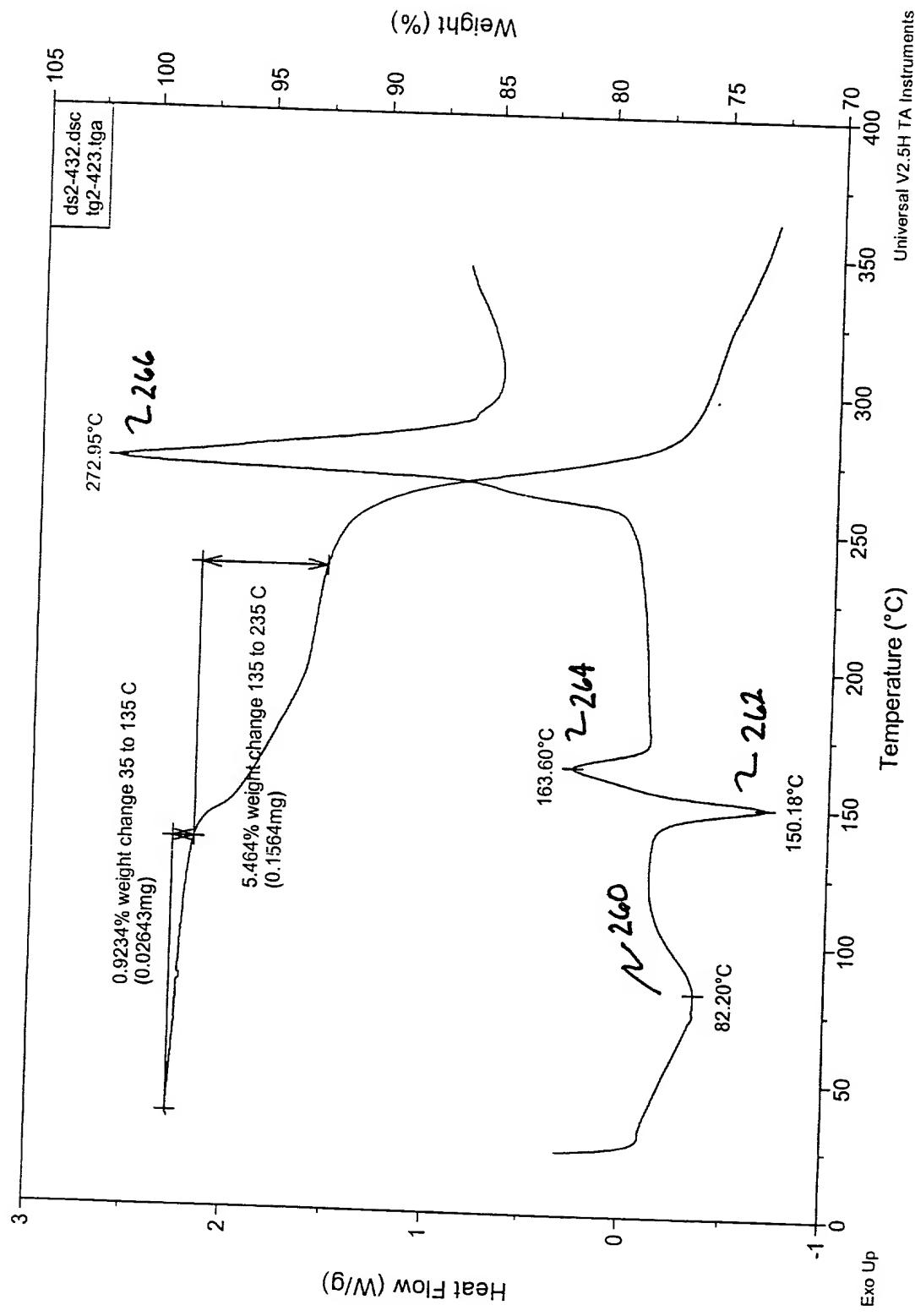


FIG. 26

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 18 20:28:17 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

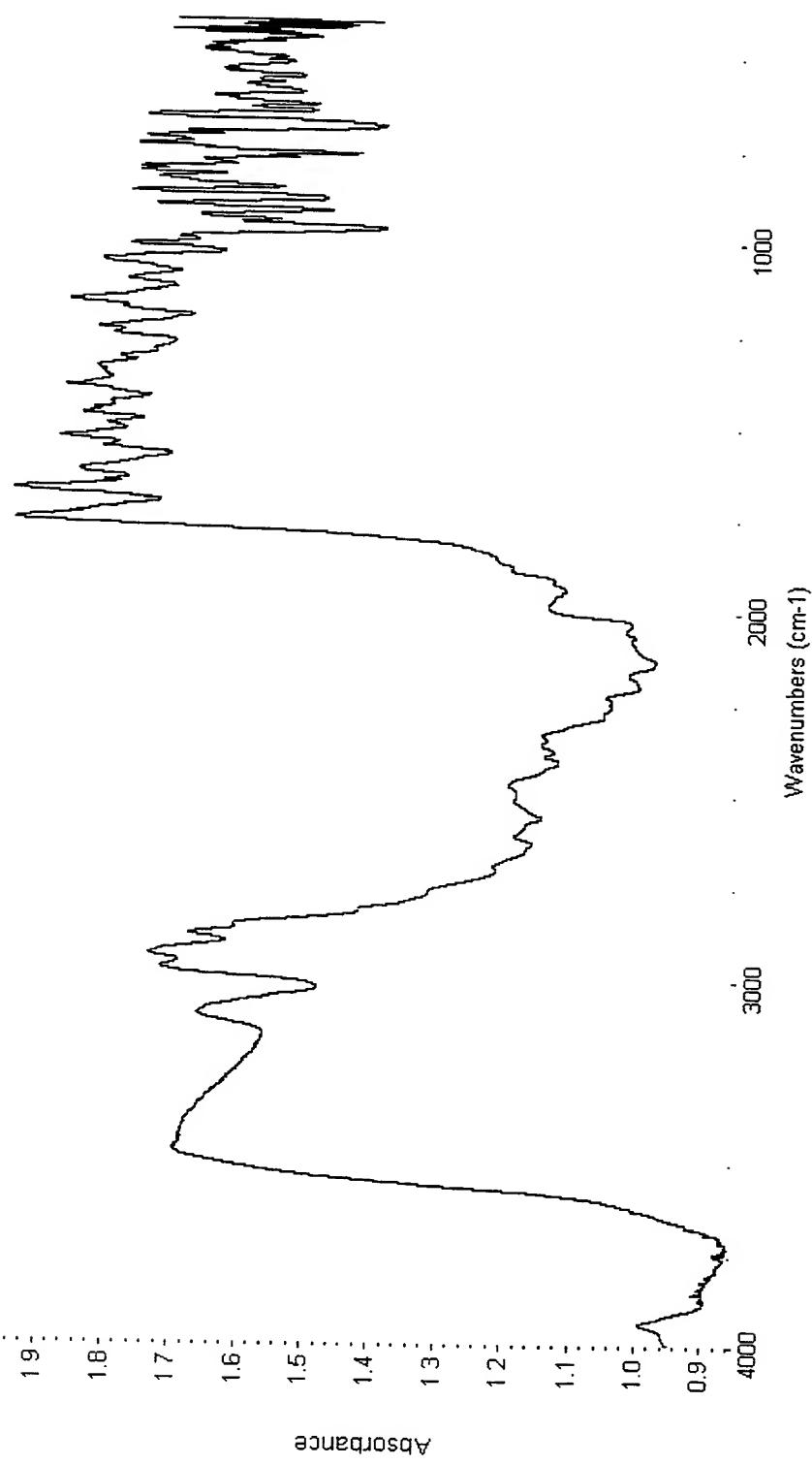
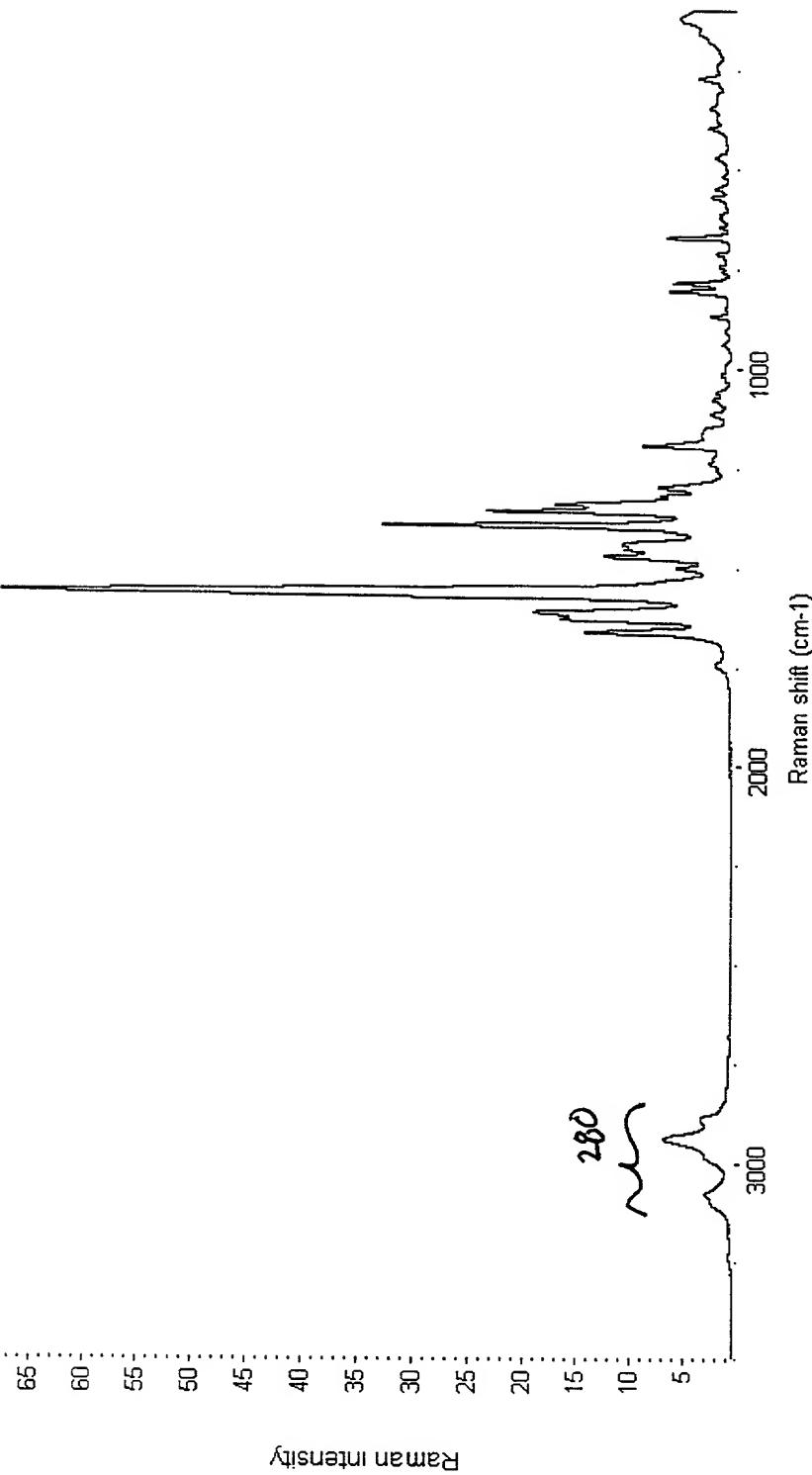


FIG. 27

Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000
Number of sample scans: 128
Number of background scans: 0
Resolution 4.0000
Sample gain: 4.0
Mirror velocity: 0.3165
Aperture: 59.46

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XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

*** Multi Plot ***

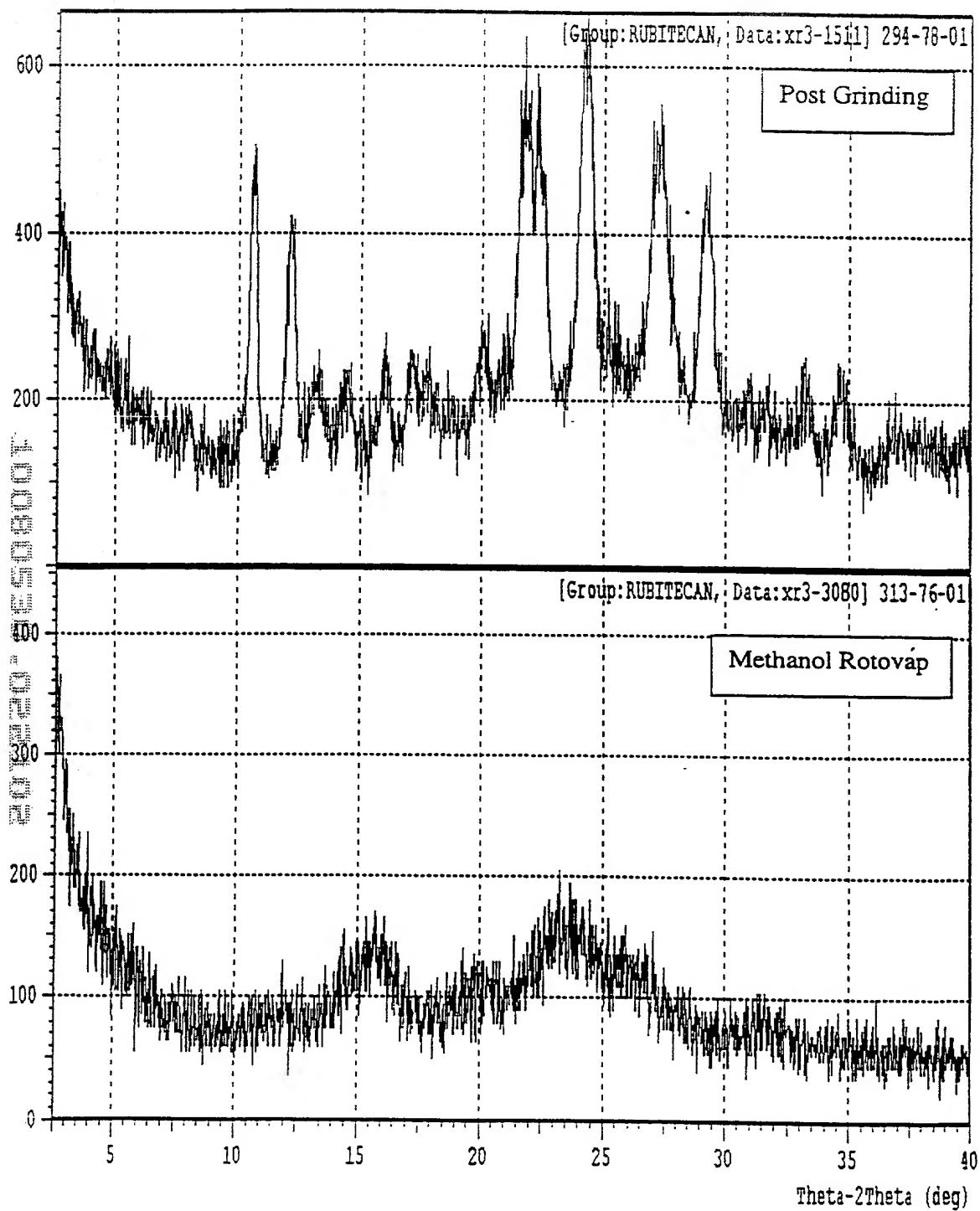


Fig. 29